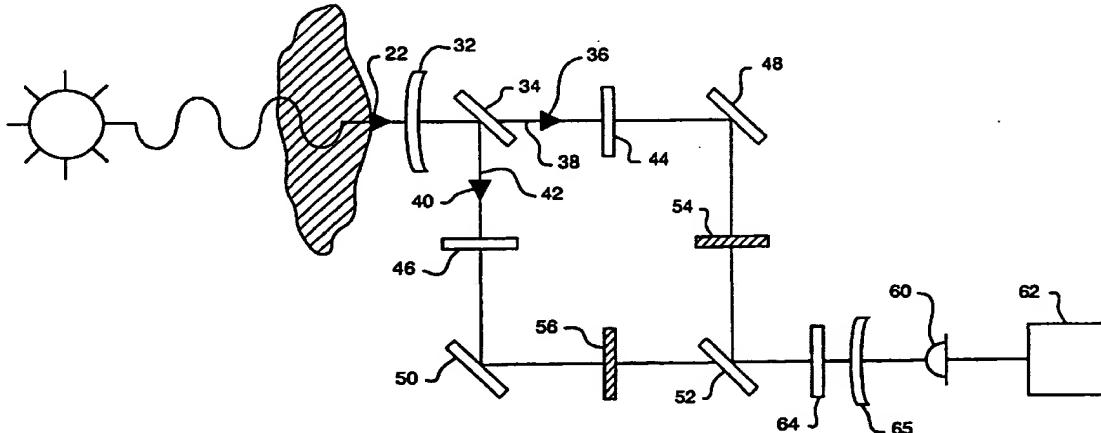




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : G01N 21/29		A1	(11) International Publication Number: WO 00/55602 (43) International Publication Date: 21 September 2000 (21.09.00)
(21) International Application Number: PCT/US00/04027		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 18 February 2000 (18.02.00)			
(30) Priority Data: 60/124,755 17 March 1999 (17.03.99) US 60/125,686 23 March 1999 (23.03.99) US			
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(54) Title: PASSIVE REMOTE SENSOR OF CHEMICALS



(57) Abstract

A remote sensor for use as a handheld, mobile or stand-alone sensor has first (12) and second (16) optical paths, light collecting optics, a sample filter (10) assembly positioned in a first optical path (12), a reference filter (14) assembly positioned in a second optical path (16), a detector assembly to detect the filtered light or other radiation, and a detector output comparison device such as a BRD to minimize the effects of common background noise components, differences in light or other radiation source power, and absorption or emission by interfering species.

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